

## SEQUENCE LISTING

<110> Università di Torino

<120> A novel mechanism for HIV-1 entry into host cells and  
peptides inhibiting this mechanism

<130> 28665PEP1\_RI

<140> EP02028510.2

<141> 2002-12-19

<160> 132

<170> PatentIn Ver. 2.1

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35 40 45

Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala His Gln Asn Ser Gln Thr  
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Pro Thr Gly Pro Lys Glu  
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<223> Description of Artificial Sequence:peptidic  
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<223> Description of Artificial Sequence:peptidic  
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Cys Ser Phe Asp Ile Thr

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&lt;213&gt; Artificial Sequence

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Thr Asn Met

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&lt;400&gt; 32

Lys Asn Met

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<223> Description of Artificial Sequence:peptidic  
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Thr Arg Ile

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Asp Arg Lys Lys Lys Val  
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Arg Asp Lys Val Lys Lys

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&lt;210&gt; 45

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&lt;400&gt; 45

Lys Asp Lys Lys Glu Lys

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&lt;210&gt; 46

&lt;211&gt; 6

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 46

Arg Asp Lys Lys Gln Lys

1

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&lt;210&gt; 47

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 47

Arg Asp Lys Lys Gln Gln

1

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&lt;210&gt; 48

&lt;211&gt; 6

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 48

Arg Asp Lys Gln Arg Lys

1

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&lt;210&gt; 49

&lt;211&gt; 6

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 49

Arg Asp Lys Gln Gln Lys

1

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&lt;210&gt; 50

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Ile Arg Thr Lys Val Lys  
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Lys Asp Lys Ala Gln Ile  
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Lys Asp Lys Gly Gln Lys  
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Lys Asp Lys Lys Glu Gln  
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&lt;400&gt; 61

Lys Asp Lys Lys Glu Arg  
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&lt;210&gt; 62

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 62

Lys Asp Lys Lys Lys Lys  
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&lt;210&gt; 63

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 63

Lys Asp Lys Lys Lys Arg

1

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&lt;210&gt; 64

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<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 64

Lys Asp Lys Lys Leu Arg

1

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&lt;210&gt; 65

&lt;211&gt; 6

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&lt;220&gt;

<223> Description of Artificial Sequence:peptidic  
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&lt;400&gt; 65

Lys Asp Lys Lys Gln Lys

1

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&lt;210&gt; 66

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Lys Asp Lys Lys Gln Asn

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Lys Asp Lys Thr Lys Lys  
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Gln Asp Lys Lys Lys Ala

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&lt;400&gt; 80

Arg Asp Lys Ile Gln Lys

1

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&lt;400&gt; 81

Arg Asp Lys Lys Glu Lys

1

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&lt;210&gt; 82

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Arg Asp Lys Lys Leu Lys  
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<400> 86

Arg Asp Lys Lys Arg Lys  
1 5

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<400> 87

Arg Asp Lys Met Gln Glu  
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<400> 88

Arg Asp Lys Met Gln Lys  
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<400> 89

Arg Asp Lys Asn Gln Lys  
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<400> 90

Arg Asp Lys Asn Arg Lys  
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Arg Asp Lys Gln Lys Lys  
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Arg Asp Lys Gln Lys Gln  
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Arg Asp Lys Gln Leu Lys  
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Arg Asp Lys Gln Gln Arg  
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Arg Asp Lys Arg Glu Gln

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&lt;400&gt; 96

Arg Asp Lys Arg Lys Lys

1

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&lt;210&gt; 97

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&lt;400&gt; 97

Arg Asp Lys Arg Lys Thr

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Arg Asp Lys Arg Gln Lys

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Arg Asp Lys Thr Gln Gln  
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<400> 103

Arg Asp Lys Val Glu Arg  
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Arg Asp Lys Val His Lys  
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Arg Asp Arg Lys Gln Thr  
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Arg Asp Arg Lys Arg Lys  
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Arg Asn Lys Met Gln Lys

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Arg Asn Lys Arg Lys Thr

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Arg Asn Lys Val Gln Lys

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Arg Asn Lys Val Arg Lys

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&lt;212&gt; PRT

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Ser Asp Lys Lys Gln Lys

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<210> 117

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Thr Asp Lys Lys Lys Gln

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Val Asp Lys Gln Gln Gln

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<210> 121

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Arg Asp Lys Val Lys Ala  
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Arg Asp Ala Val Lys Lys  
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Arg Asp Lys Val Ala Ala

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Arg Asp Ala Val Lys Ala

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Arg Asp Ala Val Ala Lys

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inhibitor

<400> 127

Cys Ser Phe Asn Ile Thr Thr Glu Ile Arg Asp Lys Val Lys Lys



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&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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&lt;400&gt; 128

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21

&lt;210&gt; 129

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;400&gt; 129

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24

&lt;210&gt; 130

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;400&gt; 130

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21

&lt;210&gt; 131

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;400&gt; 131

accacagtcc atgccatcac

20

&lt;210&gt; 132

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;400&gt; 132

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21